



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 6637**
Hirokazu NAKANO : Atty Docket No. 2003_1266A
Serial No. 10/731,090 : Group Art Unit 2882
Filed December 10, 2003 : Examiner Allen C. Ho
RADIATION THERAPY
TREATMENT PLANNING MACHINE : Mail Stop Amendment

PATENT OFFICE FEE TRANSMITTAL FORM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

Sir:

Attached hereto is a check in the amount of \$180.00 to cover Patent Office fees relating to filing the following attached papers:

Information Disclosure Statement \$180.00

Other: \$

A duplicate copy of this paper is being submitted for use in the Accounting Division, Office of Finance.

The Commissioner is authorized to charge any deficiency or to credit any overpayment associated with this communication to Deposit Account No. 23-0975, with the EXCEPTION of deficiencies in fees for multiple dependent claims in new applications.

Respectfully submitted,

Hirokazu NAKANO

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[Check No. 69639]

2003_1266A



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Hirokazu NAKANO : Docket No. 2003_1266A
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☒ each reference previously cited in present application on December 10, 2003.
(References AF-AJ of the present form PTO-1449).
- ☐ each reference previously cited in prior parent application Serial No.
_____.

1a. ☐ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☒ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☒ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.
6. ☐ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Hirokazu NAKANO

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August 10, 2005

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2003_1266ASERIAL NO.
10/731,090U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAPPLICANT
Hirokazu NAKANOLIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)FILING DATE
December 10, 2003GROUP
2882

Date Submitted to PTO: August 10, 2005

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AD						
	AE						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AF	Chandra Burman, PhD, entitled " <u>PROSTATE IMRT: PROMISES AND PROBLEMS</u> ", Memorial Sloan-Kettering Cancer Center, New York, NY 10021. August 11, 2003.
	AG	Jessica Chen, entitled " <u>MINIMISING IMRT TREATMENT TIME BY OPTIMAL CONFIGURATION OF MULTILEAF COLLIMATORS</u> ", Department of Operational Research, University of Auckland, New Zealand. November 2002.
	AH	C.C. J. Yang et al., entitled " <u>INTENSITY MODULATED RADIATION THERAPY: HIGH DEFINITION RADIATION THERAPY</u> ", pages 55-62. Summer 2001.
	AI	D. Tronc, et al., entitled " <u>RADIOTHERAPY PROCESS INTEGRATION USING A COMPACT PHOTON SOURCE TOGETHER WITH FLUENCE CONTROL AND PATIENT IMAGING</u> ", General Electric Medical System, BP 334, 78 533 Buc Cedex, France. November 14, 1995.
	AJ	Jack Van Dyk, et al., entitled " <u>TOMOTHERAPY: A "REVOLUTION" IN RADIATION THERAPY</u> ", pages 1-16. March/April 2002.
	AK	James A. Purdy et al., "Advances in Radiation Oncology Physics". Medical Physics Monograph No. 19. Pages 307-354. July 15-20, 1990.
	AL	Radhe Mohan et al., "A Comprehensive Three-Dimensional Radiation Treatment Planning System". Int. J. Radiation Oncology Biol. Phys., Vol. 15, pp. 481-495. 1988.
	AM	A.R. Hounsell et al., "Computer-assisted generation of multi-leaf collimator settings for conformation therapy". The British Journal of Radiology, vol. 65, pp. 321-326. 1992.

EXAMINER

DATE CONSIDERED